

## BARNES & THORNBURG LLP

11 South Meridian Street  
Indianapolis, Indiana 46204  
(317) 236-1313  
(317) 231-7433 Fax

### ***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

<i>Customer No.:</i>	23643	}	
<i>Group:</i>	Unknown	}	
<i>Confirmation No.:</i>	Unknown	}	
<i>Application No.:</i>	10/560,869	}	
<i>Invention:</i>	METHOD AND APPARATUS FOR PERFORMING PLANAR ELECTROCHROMATOGRAPHY AT ELEVATED PRESSURE	}	<b>DATED: OCTOBER 6, 2006</b>
<i>Applicant:</i>	David Nurok et al.	}	
<i>Filed:</i>	December 14, 2005	}	
<i>Attorney</i>		}	
<i>Docket:</i>	29920-79201	}	
<i>Examiner:</i>	Unknown	}	

### **INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

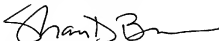
This statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. An International Search Report (dated November 24, 2004) was received in the parent PCT patent application (Application No. PCT/US04/19438). The references cited in the International Search Report, along with a copy of the report itself, have been included with this statement. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. Pursuant to the Patent Office's waiver of 37 C.F.R. 1.98 (a)(2)(i), copies of U.S. patent references and/or publications have not been provided; however, a copy of the other references are provided for review by the Examiner. The filing of this Statement

shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

Please charge any fees that might be due in connection with this Information Disclosure Statement to our Deposit Account No. 10-0435.

Respectfully submitted,

BARNES & THORNBURG LLP

A handwritten signature in black ink, appearing to read "Shawn D. Bauer", written over a horizontal line.

Shawn D. Bauer  
Attorney Reg. No. 41,603

SDB/GMK/kim  
Indianapolis, IN  
(317) 231-7313

IN2002 SDB 001905v1

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

29920-79201

SERIAL NO.

10//550,859

APPLICANT

David Nurok et al.

FILING DATE

December 14, 2005

GROUP

Unknown

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AI	3,854,250	Feb. 4, 1975	Perry			
	AH	4,348,001	Aug. 24, 1982	Tyihak et al.			
	AG	4,438,205	Mar. 20, 1984	Saint-Leger et al.			
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	AK	5,248,426	Sep. 28, 1993	Stillian et al.			
	AJ	5,350,510	Sep. 27, 1994	Partney, Jr.			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
		AL					
		AM					
		AN					
		AO					
		AP					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Conference Report: Journal of Planar Chromatography, 1993; 355-356; Authored by Ian Davies
AS	Electroosmotically driven thin-layer electrochromatography on silica media; 1999; J. Chromatogr. 844; 333-340; Authored by Howard et al.
AT	Evaporation-induced solvent migration in electrically-driven thin layer chromatography; 1999; J. Chromatogr. 841; 127-132; Authored by Shafik et al.
AU	Electro-osmosis: A new concept for high-speed liquid chromatography; Journal of Chromatography; 1974; 99; 23-30; Authored by Pretorius et al.
AV	Planar Electrochromatography on non-wetted thin-layers; Chromatographia; January 1994; Vol. 38, No. 1/2; 83-87; Authored by Pukl et al.
AW	Planar Electrophoresis and Electrochromatography: Time to Revisit these Techniques?; Journal of Planar Chromatography; Sept/Oct, 97; Vol. 10; 332-335; Authored by Poole et al.
AX	Electrokinetic Ultrafiltration Analysis of Polysaccharides: A new Approach to the Chromatography of Large Molecules; International Congress on Analytical Chemistry; June 3, 1952; 954-959; Authored by D. L. Mould
AY	Separations of Polysaccharides related to Starch by Electrokinetic Ultrafiltration in Colloid Membranes; The Rowett Research Institute, Bucksburn, Aberdeenshire; April 15, 1954; 571-585; Authored by D. L. Mould and
AZ	D. Nurok et al., "The Performance of Planar Chromatography using Electroosmotic Flow", Journal of Planar Chromatography, Vol. 11, July/August 1998, pgs. 244-246

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE  
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29920-79201

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APPLICANT  
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FILING DATE  
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## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	BA	6,303,029	Oct. 16, 2001	Nurok et al.			
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	BH						
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	BK						

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	BM						
	BN						
	BO						
	BP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BR	D. Nurock et al., "Separation Using Planar Chromatography with Electroosmotic Flow", <i>Journal of Chromatography A</i> , 903, 2000, pgs. 211-217
BS	D. Nurock et al., "Variables that Affect Performance in Planar Chromatography with Electroosmotic Flow", <i>Journal of Planar Chromatography</i> , Vol. 14, November/December 2001, pgs. 409-414
BT	D. Nurock et al., "The Performance of Planar Electrochromatography in Horizontal Chamber", <i>Journal of Planar Chromatography</i> , Vol. 15, September/October 2002, pgs. 320-323
BU	D. Nurock et al., "Role of Buffer Concentration and Applied Voltage in Obtaining a Good Separation in Planar Electrochromatography", <i>Journal of Chromatography A</i> , 983, 2003, pgs. 247-253
BV	T. H. Dzido et al., "Planar Electromatography in Horizontal Chamber with Cooling of the Chromatographic Plate", <i>Proc. International Symposium on Planar Separations</i> , Budapest, 2003, pgs. 129-138
BW	T. Dzido et al., "Application of a Horizontal DS Chamber to Planar Electrochromatography", <i>Journal of Planar Chromatography</i> , Vol. 16, May/June 2003, pgs. 176-182
BX	I. Malinowska et al., "Planar Electrochromatography on Silica and Alumina", <i>Journal of Planar Chromatography</i> , Vol. 11, November/December 1998, pgs. 411-416
BY	I. Malinowska, "The Influence of Electric Fields on the Chromatographic Process in TLC", <i>Journal of Planar Chromatography</i> , Vol. 12, November/December 1999, pgs. 408-415
BZ	I. Malinowska, "Planar Electrochromatography on Nonwetted Layers with Binary Mobile Phases", <i>Journal of Planar Chromatography</i> , Vol. 13, July/August 2000, pgs. 307-313

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	CE						
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	CH						
	CI						
	CJ						
	CK						

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
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	CN						
	CO						
	CP						

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CR	I. Malinowska, "Some Aspects of the Effect of an Electric Field in Reversed-Phase Thin-Layer Chromatography", <i>ACTA Chromatographica</i> , No. 11, 2001, pgs. 204-214
CS	I. Malinowska et al., "The Effect of Electric Fields on Solute Migration and Mixture Separation in TLC", <i>Journal of Planar Chromatography</i> , Vol. 15, November/December 2002, pgs. 418-424
CT	V. Coman et al., "Planar Dielectrochromatography—A Perspective Technique", <i>Journal of Planar Chromatography</i> , Vol. 16, September/October 2003, pgs. 338-348
CU	S. Kreibik et al., "Horizontal Planar Dielectrochromatography. I. Preliminary Results", <i>Journal of Planar Chromatography</i> , Vol. 15, November/December 2002, pgs. 425-428
CV	J. K. Rózsa et al., "10 Electroosmotically driven TLC—in Planar Chromatography: A Retrospective View for the Third Millennium, Nyiredy, SZ. ed., Springer Scientific, Budapest, Hungary, 2001, pgs. 200-219
CW	R. Consden et al., "Ionophoresis in Silica Jelly—A Method for the Separation of Amino-Acids and Peptides", <i>Biochem. J.</i> , Vol. 40, 1946, pgs. 33-41
CX	D. Nurok et al., "Apparatus and Initial Results for Pressurized Planar Electrochromatography", <i>Analytical Chemistry</i> , Vol. 76, No. 6, March 15, 2004, pgs. 1690-1695
CY	J. M. Koers et al., "Performance of Planar Electrochromatography at Elevated Pressure", <i>Proc. International Symposium on Planar Separations</i> , Budapest, 2003, pgs. 123-128
CZ	D. Nurok, "Planar Electrochromatography", <i>Journal of Chromatography A</i> , Vol. 1044, 2004, pgs. 83-96

Examiner	Date Considered
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	DA					
	DB					
	DC					
	DD					
	DE					
	DF					
	DG					
	DH					
	DI					
	DJ					
	DK					

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	Document Number	Date	Country	Class	Subclass	Translation Yes No
	DL					
	DM					
	DN					
	DO					
	DP					

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DR	T. H. Dzido et al., "Application of Horizontal Chamber for Separation in Opened and Closed Systems of Planar Electrochromatography", <i>Proc. International Symposium on Planar Separations</i> , Budapest, 2003, pgs. 19-28
DS	PCT International Search Report for PCT Application No. PCT/US04/19438, November 24, 2004, 6 pgs.
DT	
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DX	
DY	
DZ	

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